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In Re Application: E	BAHRAM JAVIDI, ET AL.	FEB 2 7 2002						
Serial No.	Filing Date	TRADEMENT Examiner	Group Art Unit					
09/822,775	MARCH 30, 2001	TRADE	2131					
INFORMATION :	SECURITY USING DIGITA	AL HOLOGRAPHY	RECEIVED					
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		Payment of Fee	Technology Center 2100					
	(Only complete if Applic	ant elects to pay the fee set forth in 37 (CFR 1.17(p))					
 □ A check in the amount of is attached. ☑ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. 06-1130 as described below. A duplicate copy of this sheet is enclosed. □ Charge the amount of □ Credit any overpayment. 								
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account is being facsing Patent and Trademark (ent and authorization to charge d mile transmitted to the United S Office (F	States as first class mail und	nt and fee is being deposited with the U.S. Postal Service der 37 C.F.R. 1.8 and is nt Commissioner for Patents,					
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Typed or Printed N	Name of Person Signing Certificate	Typed or Printed Name	of Person Mailing Certificate					
*This certificate may only be used if paying by deposit account. Dated: FEBRUARY 14, 2002 GEORGE J. LYMAN REGISTRATION NO. 44,884 CUSTOMER NO. 23413								
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TRANSMITTAL O	Docket No. UCT-0017							
In Re Application Of: BAHRAM JAVIDI, ET AL. FEB 2 7 2002								
Serial No. Filing Date Examiner Group Art Unit 09/822,775 MARCH 30, 2001 TRADE								
Title: INFORMATION SECURITY USING DIGITAL HOLOGRAPHY RECEIVED								
		MAR 0 4 2002						
	Address to: Assistant Commissioner for Patents Washington, D.C. 20231	Technology Center 2100						
	37 CFR 1.97(b)							
1. The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.								
	37 CFR 1.97(c)							
CFR 1.97(b), pr Final Action un	2. The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:							
☐ the stater	nent specified in 37 CFR 1.97(e);							
	OR							
the fee se	et forth in 37 CFR 1.17(p).							

SMITTAL OF INFORMATION DISCLOSURE STATEMENT Docket No. **UCT-0017** (Under 37 CFR 1.97(b) or 1.97(c)) In Re Solication: BAHRAM JAVIDI, ET AL. Group Art Unit Examiner Filing Date Serial No. 2131 MARCH 30, 2001 09/822,775 INFORMATION SECURITY USING DIGITAL HOLOGRAPHY RECEIVE Fechnology Center 2 00 Payment of Fee (Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p)) is attached. □ A check in the amount of ∑ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. 06-1130 as described below. A duplicate copy of this sheet is enclosed. Charge the amount of Credit any overpayment. Charge any additional fee required. Certificate of Transmission by Facsimile* Certificate of Mailing by First Class Mail I certify that this document and authorization to charge deposit I certify that this document and fee is being deposited with the U.S. Postal Service account is being facsimile transmitted to the United States class mail under 37 C.F.R. 1.8 and is Patent and Trademark Office (F addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231. (Date) Signature of Person Mailing Correspondence Signature JESSICA HORVATH Typed or Printed Name of Person Mailing Certificate Typed or Printed Name of Person Signing Certificate *This certificate may only be used if paying by deposit account. Dated: FEBRUARY 14, 2002 GEORGE J. LYMAŃ **REGISTRATION NO. 44,884 CUSTOMER NO. 23413**

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ATTY DOCKET NO. SERIAL NO. 09/822,775 **UCT-0017** ORMATION DISCLOSURE CITATION BAHRAM JAVIDI, ET AL. (Úse several sheets if necessary) GROUP FILING **MARCH 30, 2001** 2131 **U.S. PATENT DOCUMENTS** FILING DATE EXAMINER CLASS SUBCLASS NAME DOCUMENT NUMBER DATE IF APPROPRIATE INITIAL 5/5/95 359 11 2/17/98 CURTIS, ET AL. 5,719,691 7/27/95 **TOMKO** 382 210 4/14/98 5,740,276 10 2/6/96 380 5/11/99 **JAVIDI** 5,903,648 8/17/99 4/30/96 HEANUE, ET AL. 380 49 5,940,514 22 5/5/95 359 8/24/99 CURTIS, ET AL. 5,943,145 54 12/23/98 380 12/14/99 JAVIDI 6,002,773 Technology Center 2100 FOREIGN PATENT DOCUMENTS TRANSLATION COUNTRY CLASS SUBCLASS DOCUMENT NUMBER DATE YES NO OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) O. MATOBA, B. JAVIDI, OPTICS LETTERS, "ENCRYPTED OPTICAL MEMORY SYSTEM USING THREE-DIMENSIONAL KEYS IN THE FRESNEL DOMAIN", VOLUME 24, NO. 11, JUNE 1999, (PGS. 762-764) -E. TAJAHUERCE, O. MATOBA, S.C. VERRALL, B. JAVIDI, APPLIED OPTICS, "OPTOELECTRONIC INFORMATION ENCRYPTION WITH PHASE-SHIFTING INTERFEROMETRY", VOLUME 39, NO. 14, MAY 2000,

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		J.F. HEANUE, M.C. B BASED ON ORTHOG 6012-6015)	ASHAW, L. HESSELI ONAL-PHASE-CODE	NK, APPLIED OPTICS, "E MULTIPLEXING", VOLU	NCYPTED HO IME 34 NO. 26,	LOGRAPHIC SEPTEMBER	DATA STO 1995, (PG	ORAGE S.
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	T	b. JAVIDI, T. NOMUI	RA, OPTICS LETTI JANUARY 2000, (P	ERS, "SECURING INFORMAGS. 28-30)	ATION BY USE	OF DIGITAL	HOLOGRA	АРНҮ",
		I. YAMAGUCHI, T. Z	HANG, OPTICS LI	ETTERS, "PHASE-SHIFTING	G DIGITAL HO	LOGRAPHY"	, VOLUME	22, NO.
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		N. YOSHIKAWA, M. FOR SECURITY APP	ITOH, T. YATAGAI, O'LICATIONS FROM A	OPTICS LETTERS, "BINA A SYNTHETIC DOUBLE-E EPTEMBER 1998, (PGS. 14	RY COMPUTE XPOSURE ME	ER-GENERAT THOD BY EL	ED HOLO ECTRON-I	GRAMS BEAM
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		P. REFREGIER, B. JA FOURNIER PLANE I	AVIDI, OPTICS LETT RANDOM ENCODING	ERS, "OPTICAL IMAGE F 5", VOLUME 20, NO. 7, AP	ENCRYPTION RIL 1995, (PGS	BASED ON IN 5. 767-769)	PUT PLAN	NE AND
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		USING A DETERMINISTIC PHASE ENCODING	G METHOD , VODOME 33, NOV 2,5	, , , , , , , , , , , , , , , , , , , ,
		A STATE OF THE STA	ETTERS "ARRAY INTERCONNEC	TION BY PHASE-CODED
		J.E. FORD, Y. FAINMAN, S.E. LEE, OPTICS LE OPTICAL CORRELATION", VOLUME 15, NO.	. 19, OCTOBER 1990, (PGS. 1088-10	90)
•				
		J.H. BRUNING, D.R. HERRIOTT, J.E. GALLAC OPTICS, "DIGITAL WAVEFRONT MEASURING	GHER, D.P. ROSENFELD, A.D. WHI	ITE, D.J. BRANGACCIO, APPLIED FING OPTICAL SURFACES AND
		LENSES" VOLUME 13, NO. 11, NOVEMBER 19	974, (PGS. 2693-2703)	
		C. C. SUN, W.C. DU, B. WANG, Y. OUYANG, O	PTICS COMMUNICATIONS. "DIF	FRACTION SELECTIVITY OF
		HOLOGRAMS WITH RANDOM PHASE ENCO	DDING", VOLUME 175, FEBRUARY	7 2000, (PGS. 67-74)
		H. LEE, S. K. JIN, APPLIED PHYSICS LETTER INTERCONNECTS USING RANDOM PATTER	RS, "EXPERIMENTAL STUDY OF RNS", VOLUME 62, NO. 18, MAY 19	VOLUME HOLOGRAPHIC 193, (PGS. 2191-2193)
		INTERCONNECTS OF THE PROPERTY	-	
	ļ	J.W. COOLEY, J.W. TUKEY, MATHEMATICS	OF COMPUTATION, "AN ALGOR	RITHM FOR THE MACHINE
		J.W. COOLEY, J.W. TUREY, MATHEMATICS CALCULATION OF COMPLEX FOURIER SEI	RIES", VOLUME 19, NO. 90, APRIL	. 1965, (PGS. 297-301)
				DELY MINER PACE
		H.Y. S. LI, Y. QIAO, D. PSALTIS, APPLIED OF RECOGNITION", VOLUME 32, NO 26, SEPTE	PTICS,"OPTICAL NETWORK FOR MBER 1993, (PGS. 5026-5035)	REAL-TIME FACE
: -				
		B. JAVIDI, J.L. HORNER, OPTICAL ENGINEI	ERING, "OPTICAL PATTERN REC	OGNITION FOR VALIDATION AND
		SECURITY VERIFICATION", VOLUME 33, N	U. 6, JUNE 1994, (FGS. 1752-1750)	
			OR OPPICE LETTERS UDICITAL	HOLOGRAPHY FOR OUANTITIVE
		E. CUCHE, F. BEVILACQUA, C. DEPEURSING PHASE-CONTRAST IMAGING", VOLUME 24	GE, OPTICS LETTERS, DIGITAL I, NO. 5, MARCH 1999 (PGS. 291-29)	3)
		C.L. WILSON, C.I. WATSON, E.G. PAEK, SPIJ FINGERPRINT MATCHING", VOLUME 3073	E PROCEEDINGS, "COMBINED O NO. 22-23, APRIL 1997, (PGS. 373-	PTICAL AND NEURAL NETWORK 382)
		FINGERFRINT MATCHING, TOLOME 5075	,	
	<u> </u>	A COUNTRY AND HIDDRIED ADDITION OF THE	'S "DIRECT RECORDING OF HO	LOGRAMS BY CCD TARGET AND
		U. SCHNARS, W. JUPTNER, APPLIED OPTIC NUMERICAL RECONSTRUCTION", VOLUM	iE 33, NO. 2, JANUARY 1994, (PGS.	179-181)
·		J.W. GOODMAN, "INTRODUCTION TO FOU (PGS.295- 341, 351-363)	JRIER OPTICS", CHAPTER 9, MC	GRAWRECEIVED
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